

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

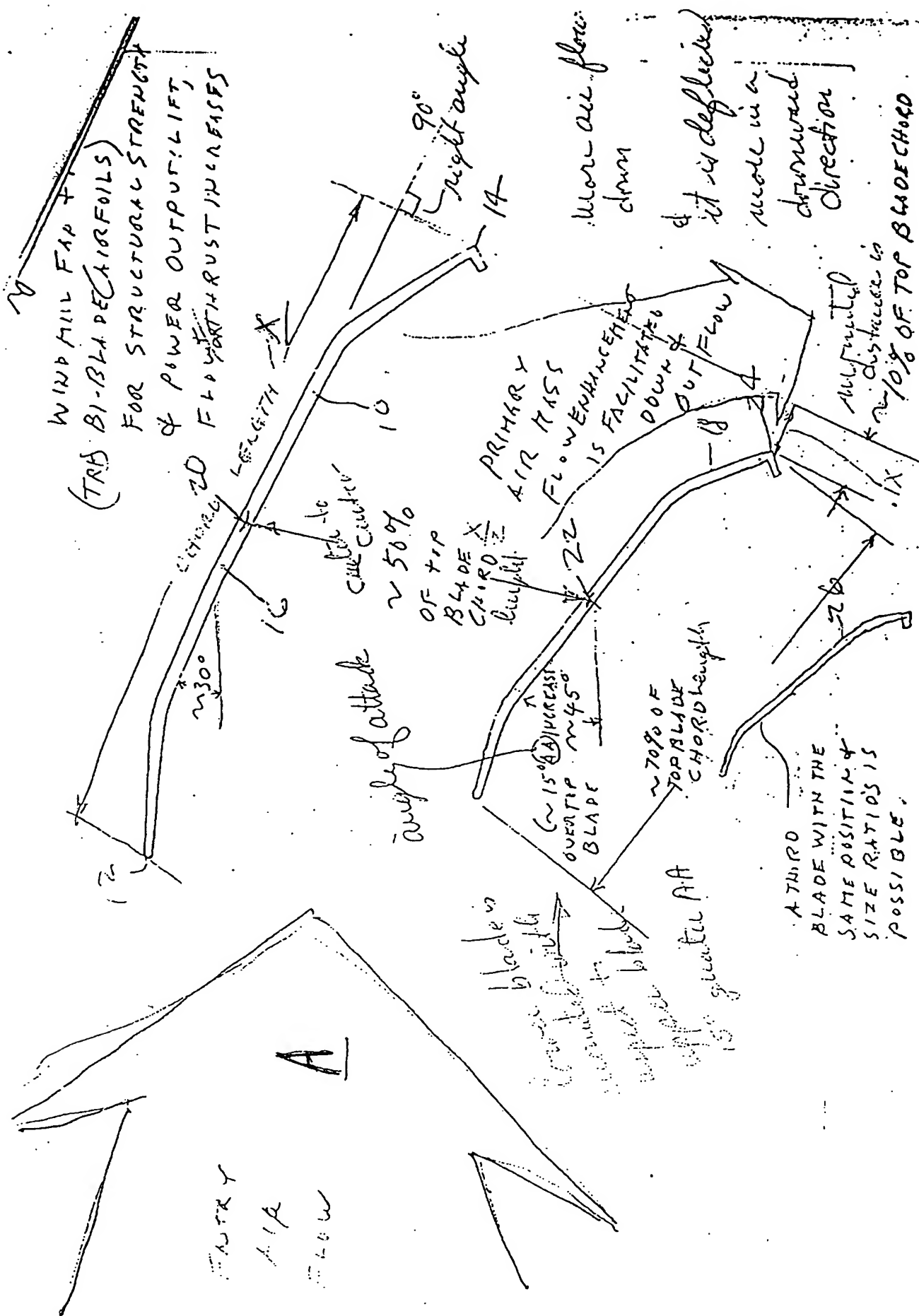


Fig. 1

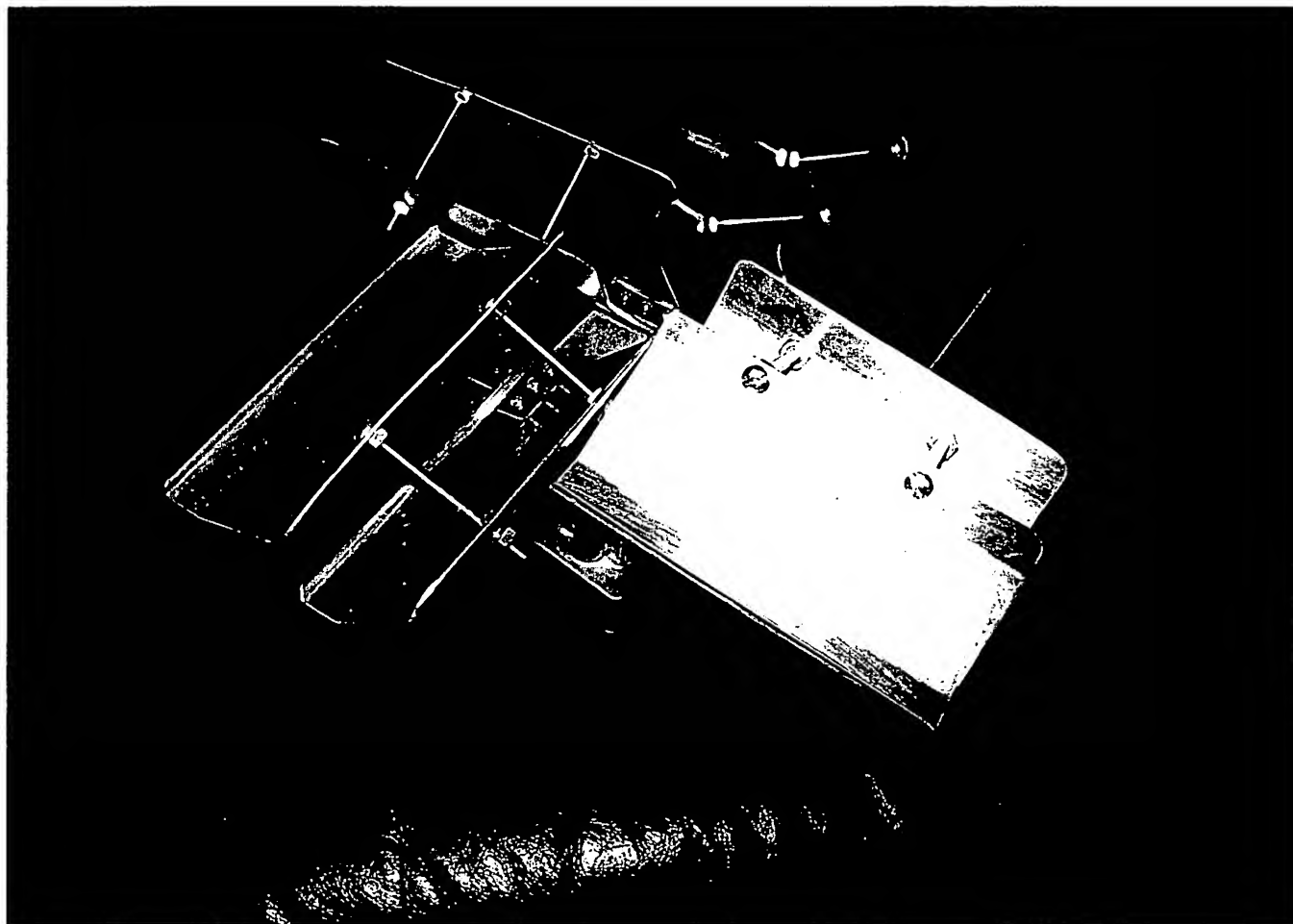


Fig. 2

BEST AVAILABLE COPY

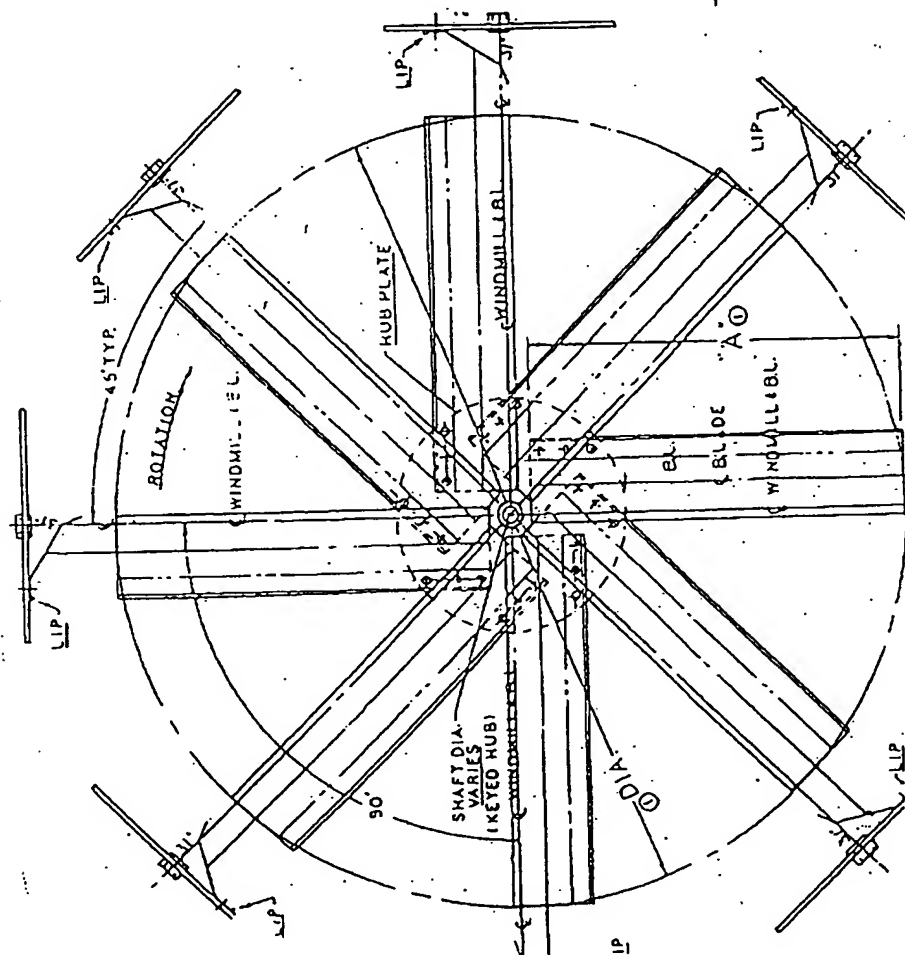


Fig. 3

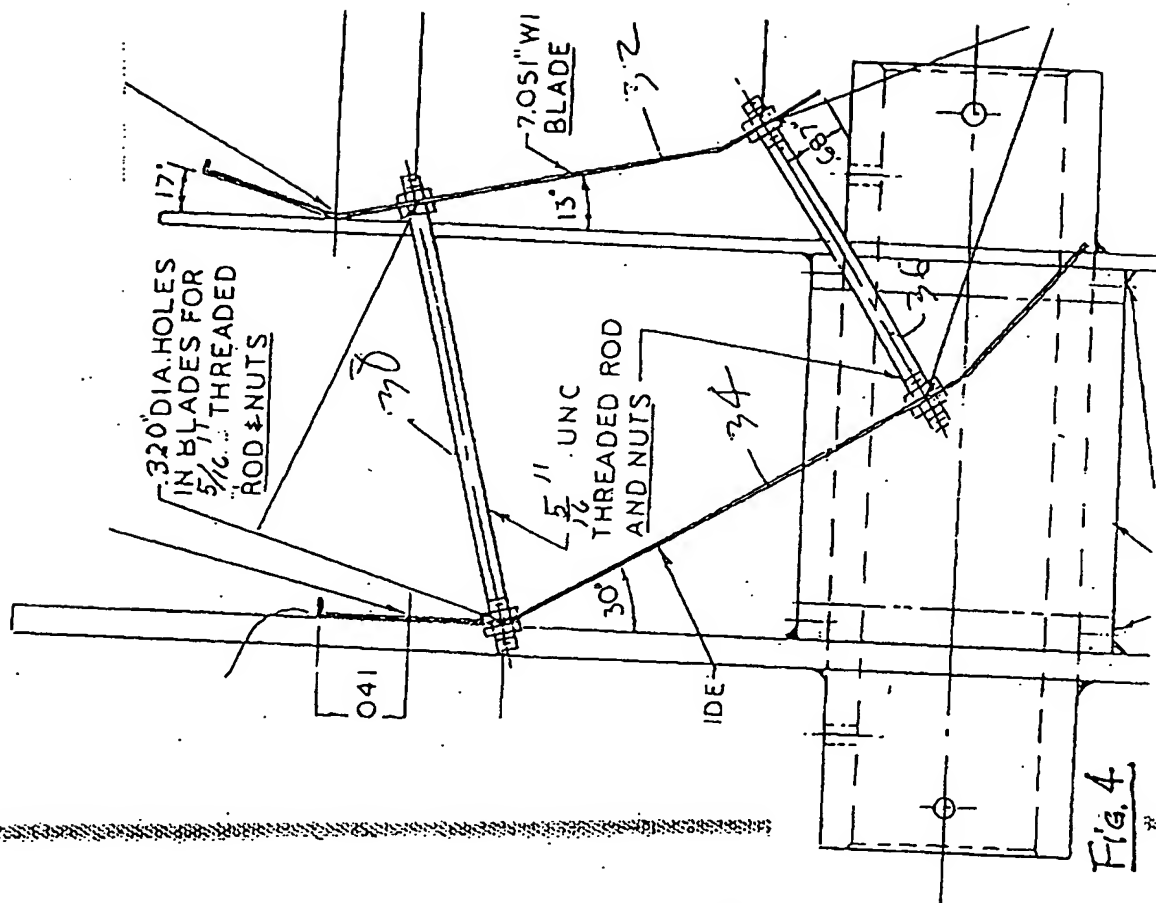


Fig. 4

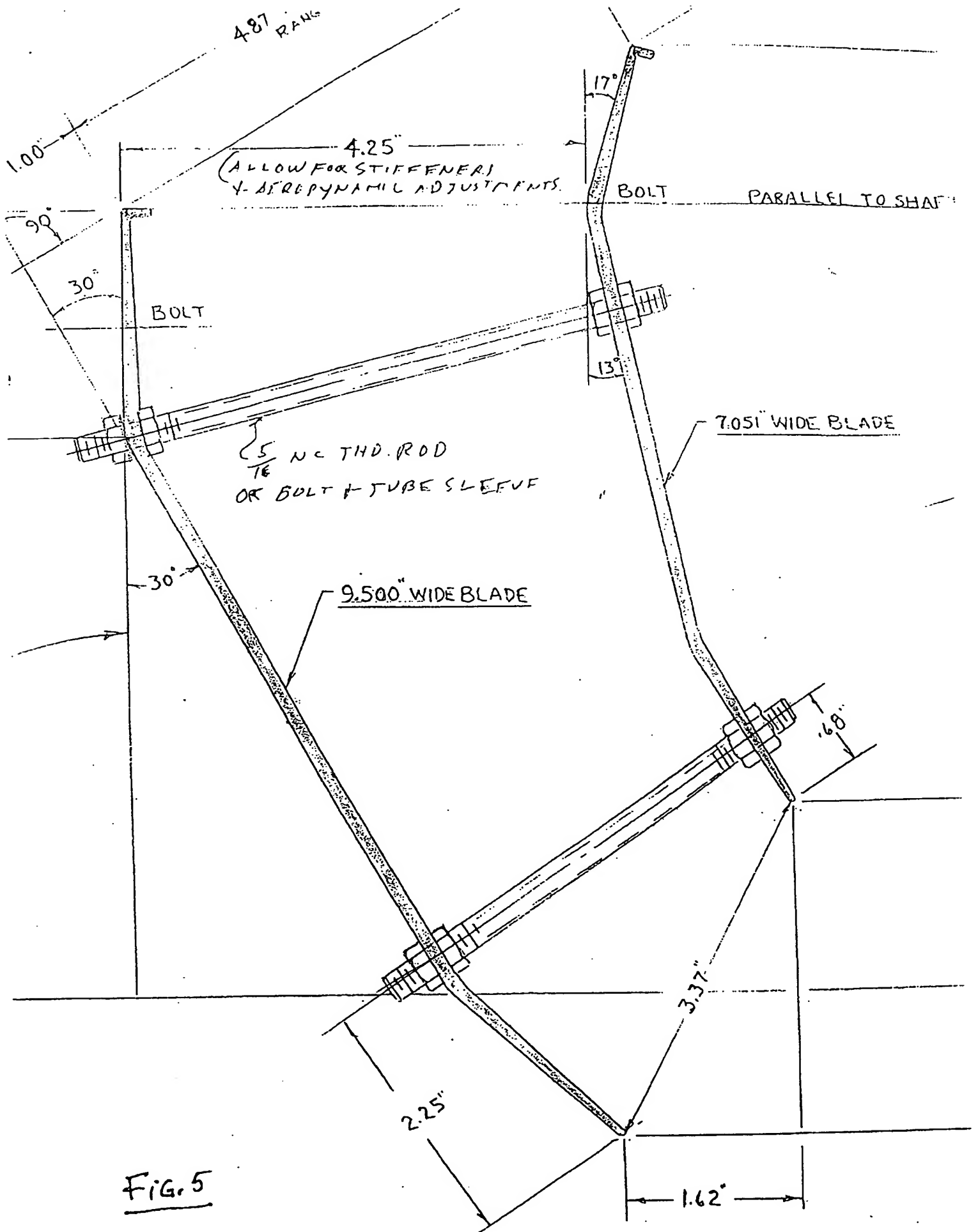
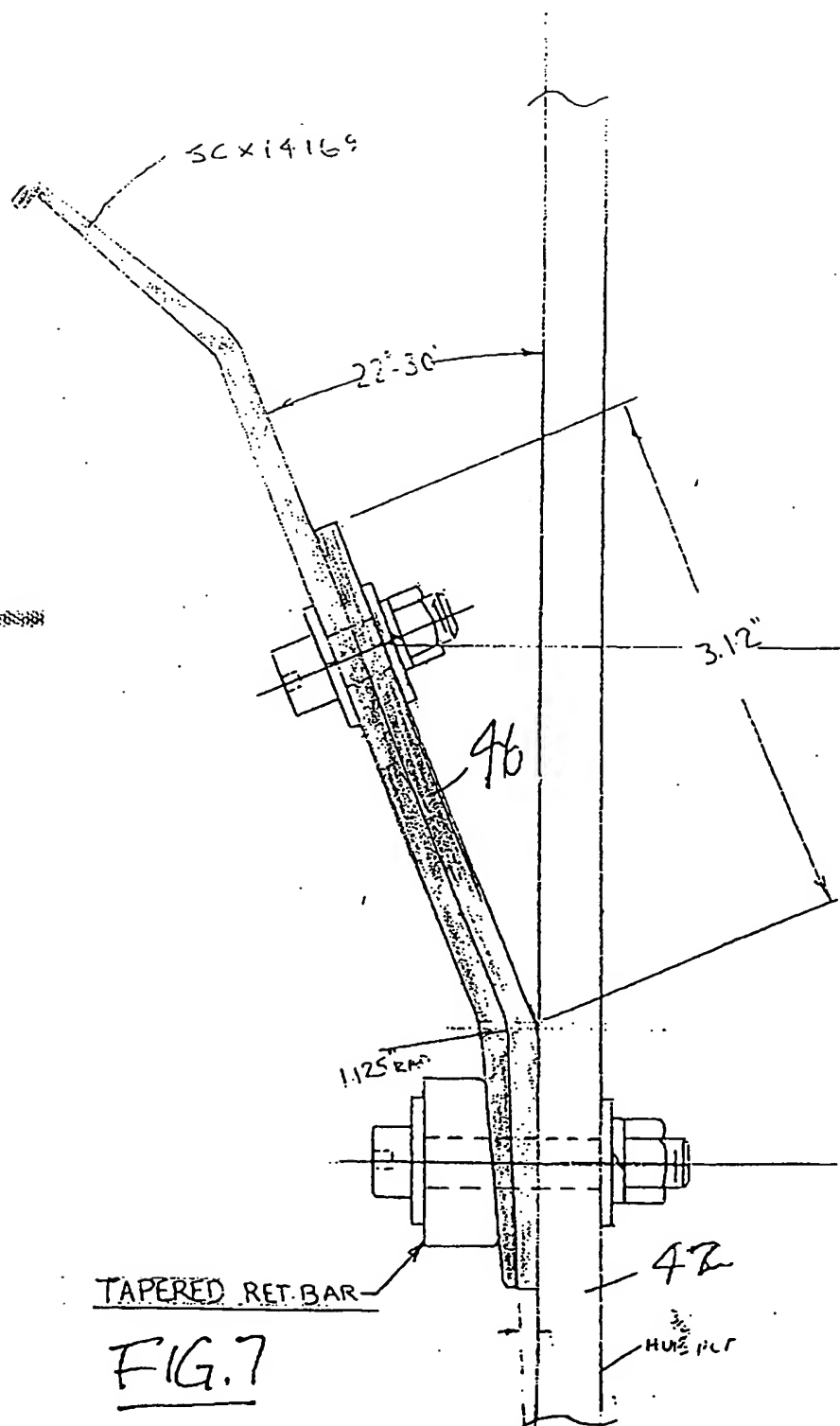
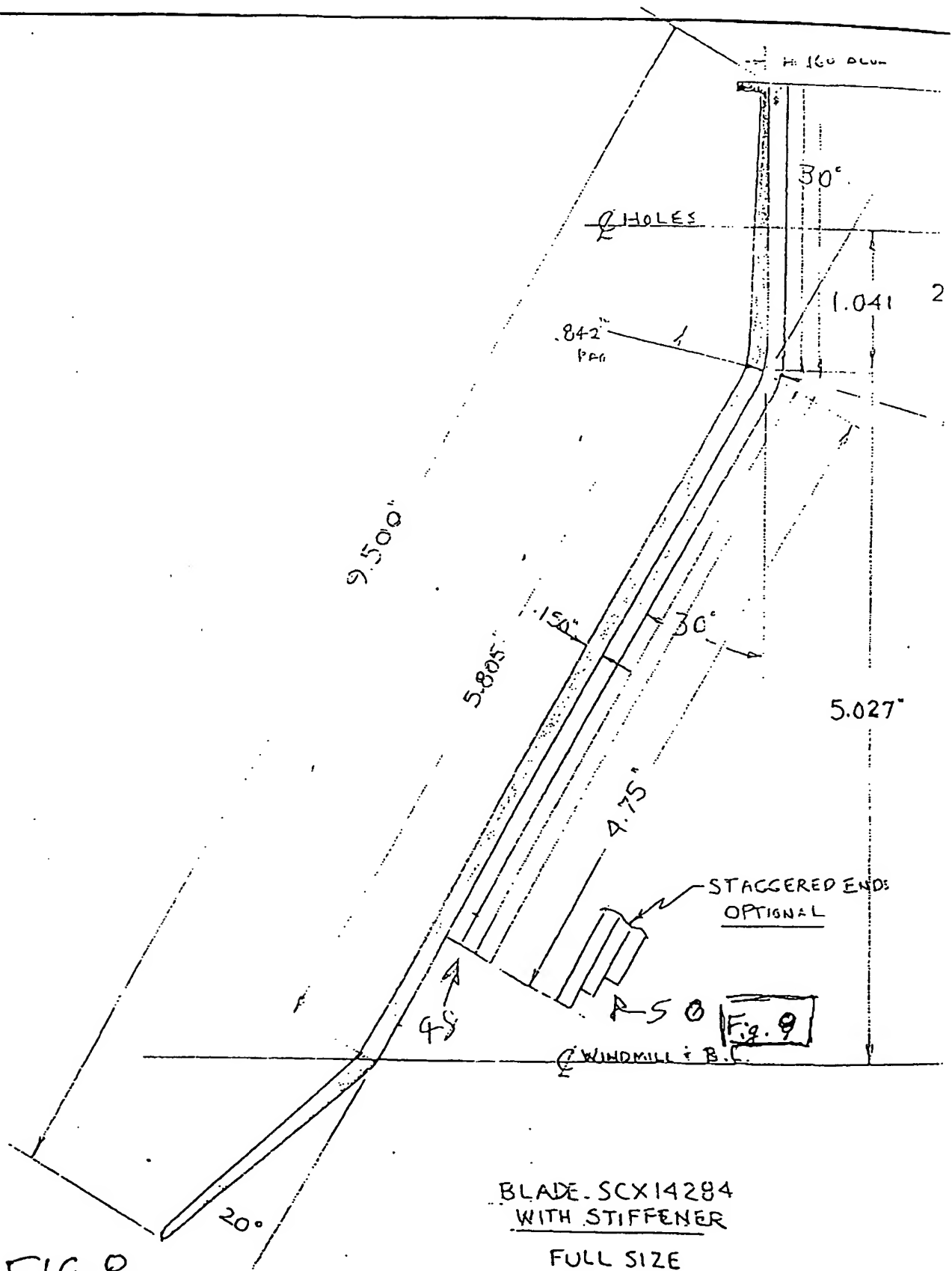


FIG. 5



STIFFENER 6063 ALUM EXTRUS TO CHANGE
 ANGLE OF BLADE RELATIVE TO FACE OF HUB PLT
 TO A PLUS 2°-30' OR 22°-30' OVERALL

FIG. 8



BLADE SCX14284
WITH STIFFENER
FULL SIZE

COMPARISON OF LIFT FORCE PER FOOT OF AIRFOIL (VANE) LENGTH VS. ANGLE OF ATTACK FOR THREE DIFFERENT AIRFOILS.

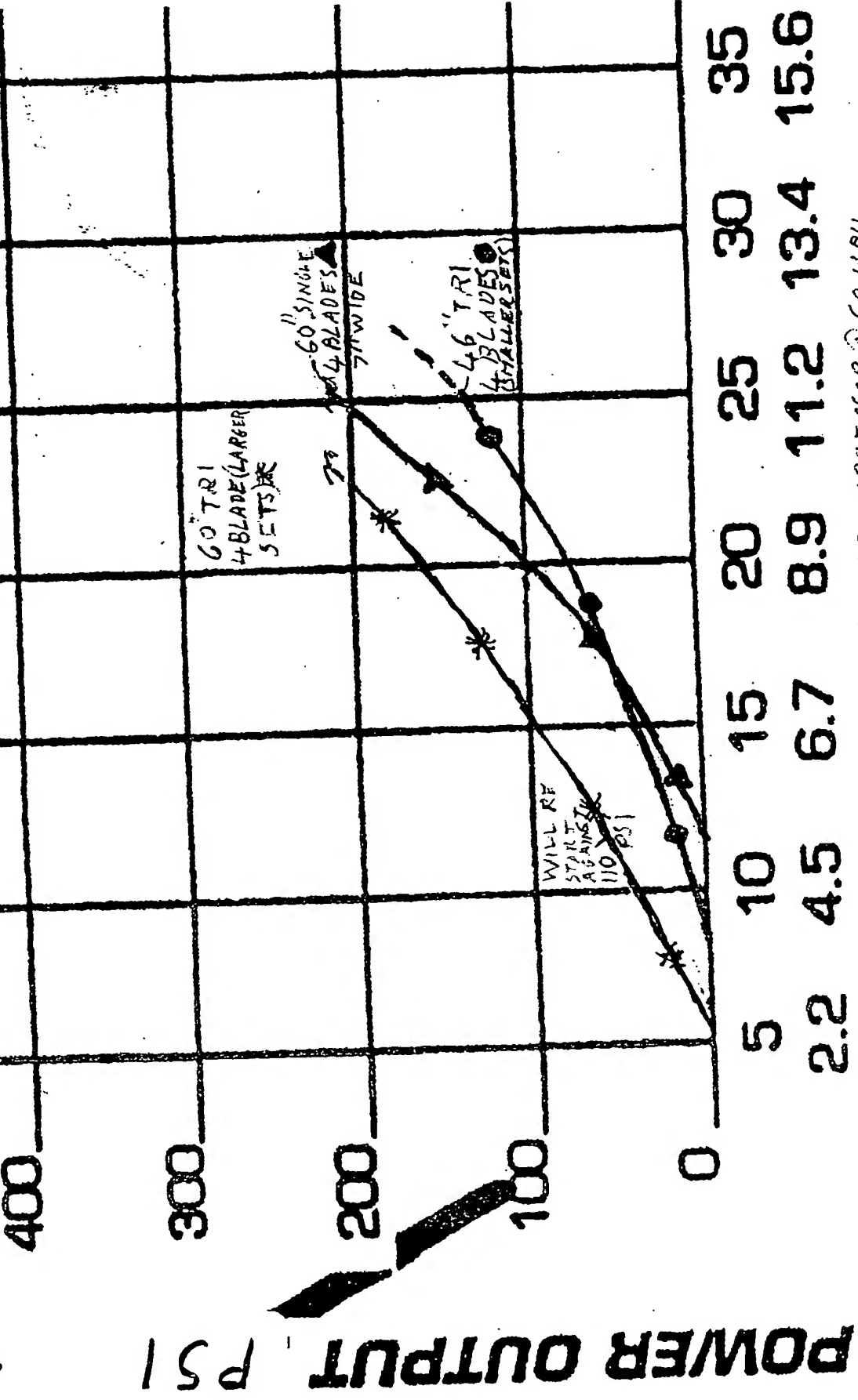
ANGLE OF ATTACK	7" CHORD McCABE AIRFOIL	8 $\frac{13}{32}$ " CHORD NACA-12 AIRFOIL	9 $\frac{1}{2}$ "-7" CHORD McCABE B1- VANE AIRFOIL
0°	1.04 #	—	2.85 #
8°	—	—	3.40 #
12°	1.85 #	0.95 #	3.65 #
16°	—	—	3.35 #
29°	2.40 #	1.25 #	2.20 #

Fig. 10

Fig. 10

WIND MILL
AIR COMPRESSOR
(TRACTOR PTO TYPE)

PERFORMANCE CURVES
60" DIA SINGLE TRI, 60" TRI (LARGER SETS), 46" TRI (4 BLADES), 46" TRI (4 BLADES)



46" DIA SW 3 BLADE DID NOT TURN THE SAME COMPRESSOR @ 60 MPH
46" DIA McC 3 BLADE 48" CHRD - 30 MPH STR
CONCLUSION: IT TAKES MORE WIDE FOR
B1/TR1 McC AIRFOIL TO DO COMPRESSED AIR POWER GENERATION BUT VERY LOW WIND SPEED OK

FIG. 11

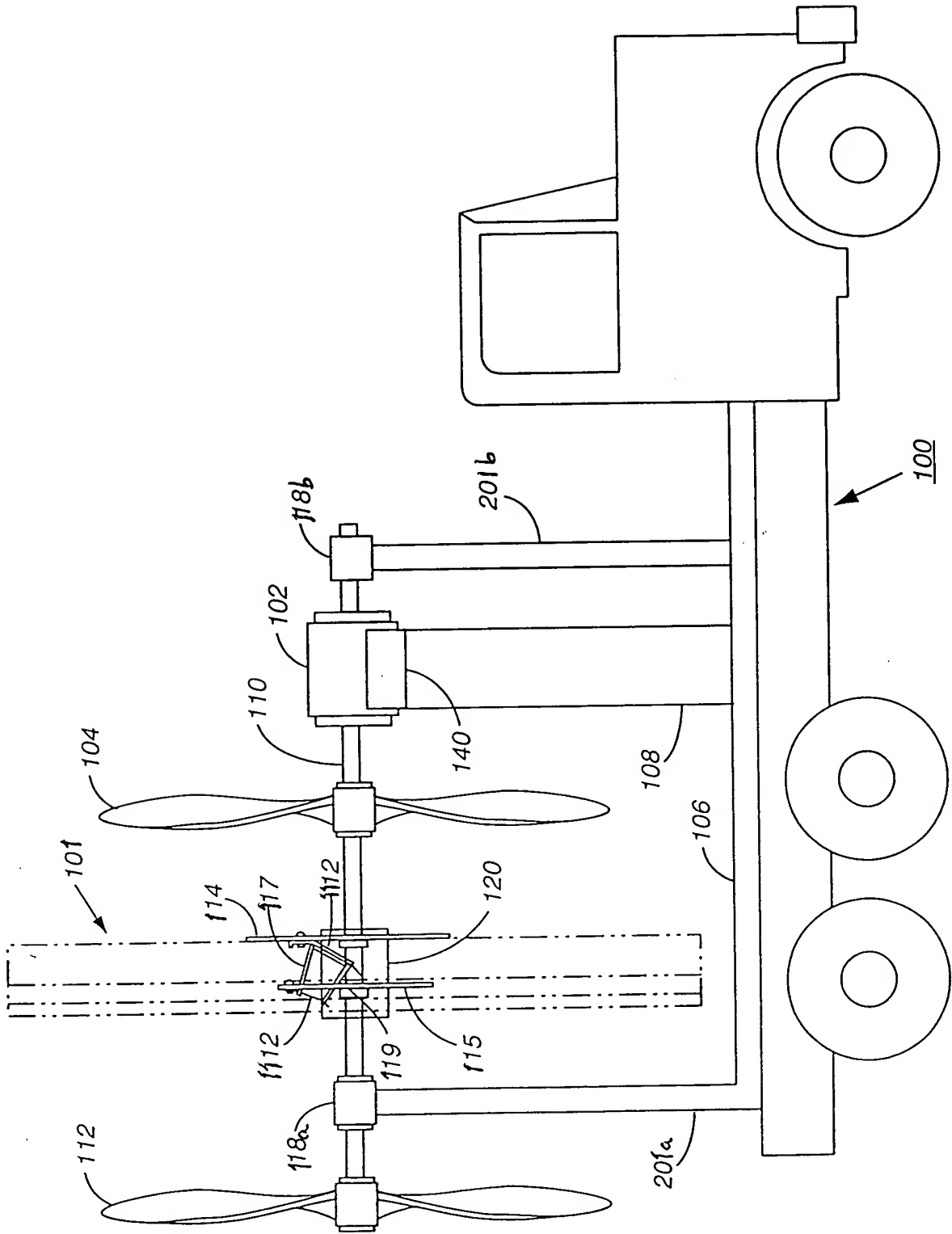


FIG. 12

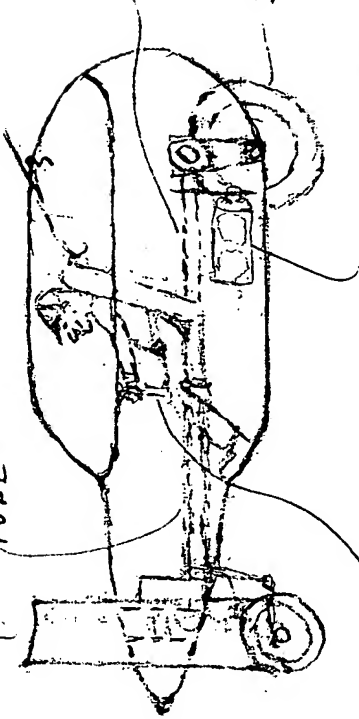
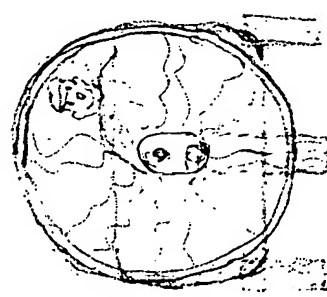
TRI BLADE (4-8 BLADES SYS.)
WINDMILL
(SHROUD OPTIONAL
(COULD BE REARWARD
MOUNTED WINDMILL ALSO))

STEERING
TUBE

OPT. AIR TANK

WINDMILL
DRIVE SHAFT

SINGLE DRIVEN,
REAR WHEEL



CENTER STICK CONTROL:
FWD- ACCELERATE
TWO SIDES TURN
FULL BACK BRAKE

25-40 HP ENGINE OPTIONS:

1. GAS
 2. ELECTRIC
 3. AIR (COMPRESSOR-ENGINE HYBRID)
- (HYBRIDS OF ABOVE, E.G. ELECTRIC-AIR,
GAS-AIR, ETC.)
4. DIRECT MECHANICAL DRIVE
FROM WINDMILL

F. J. MC CABE

WINDMILL ASSISTED TO
CONTINUOUS WINDMILL
POWERED VEHICLE

FIG. 13

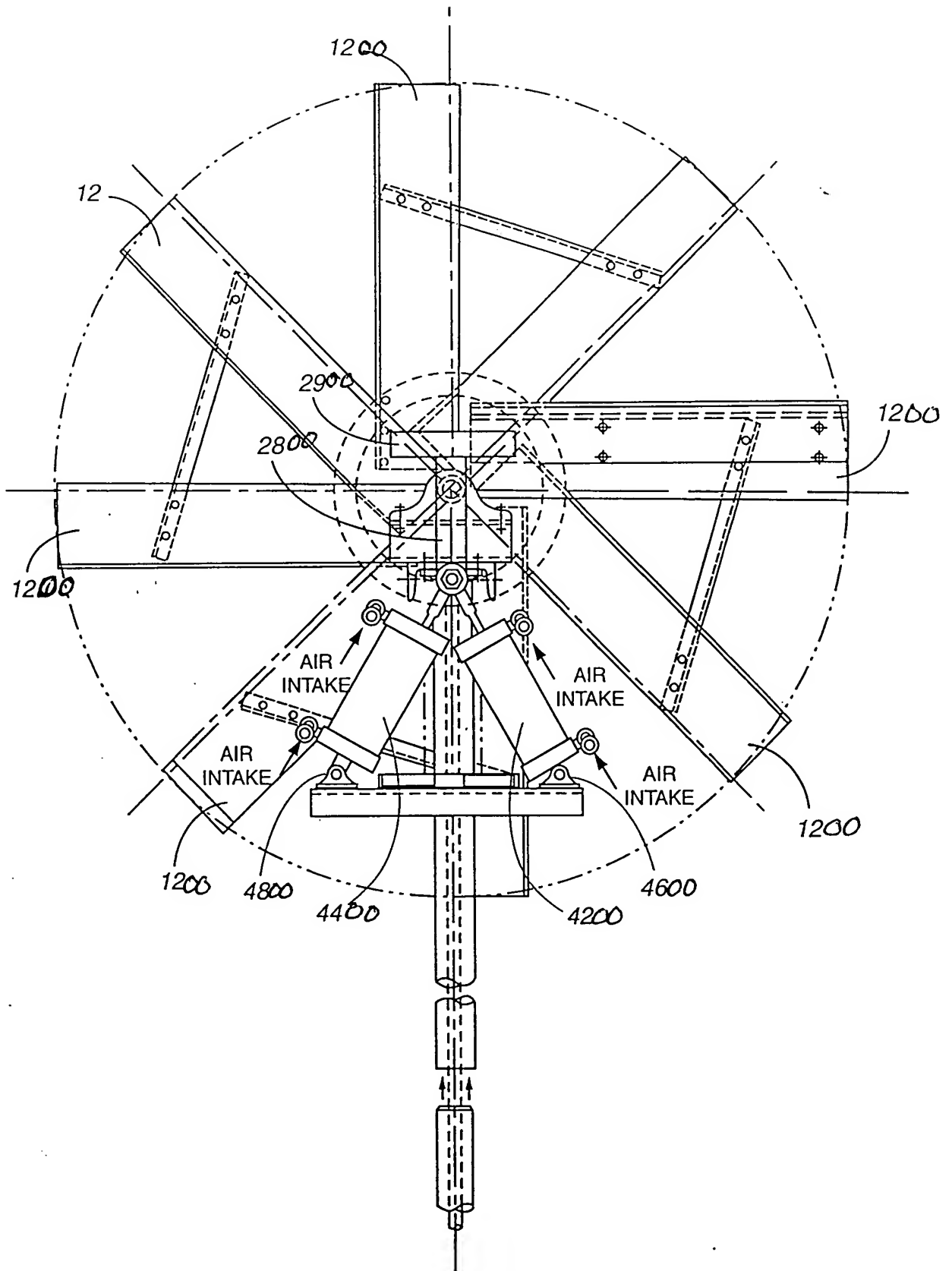
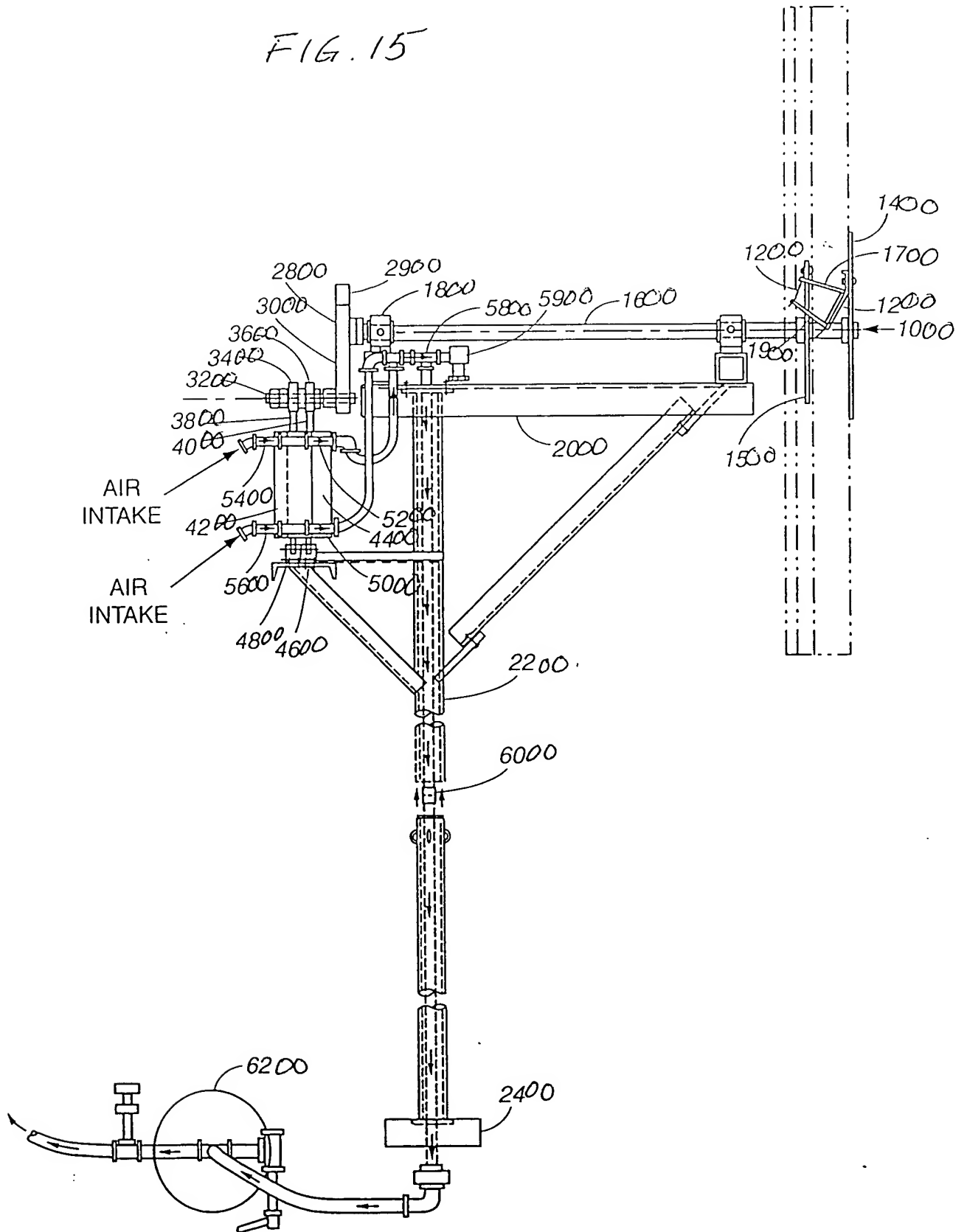
**FIG. 14**

FIG. 15



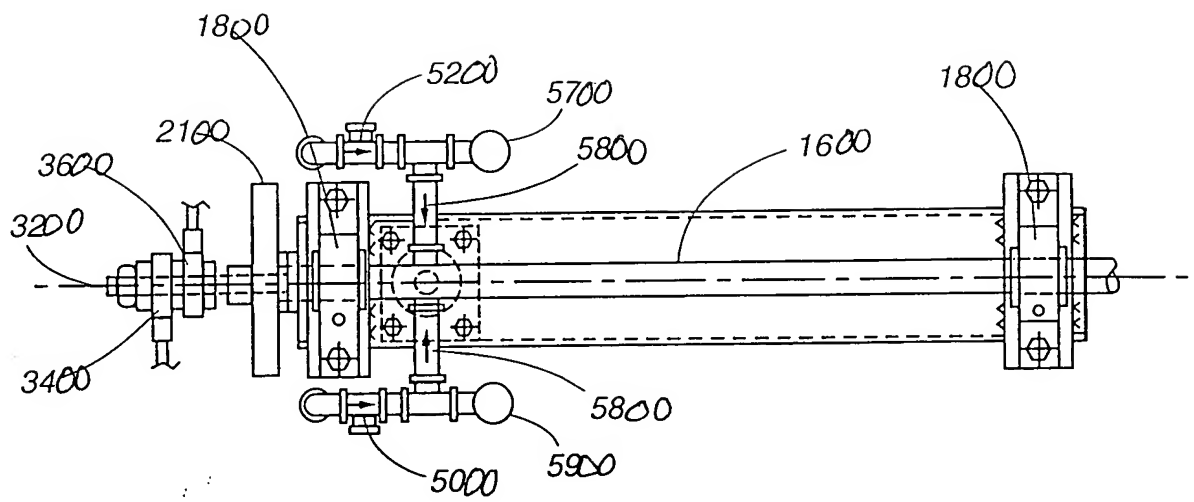


FIG. 16